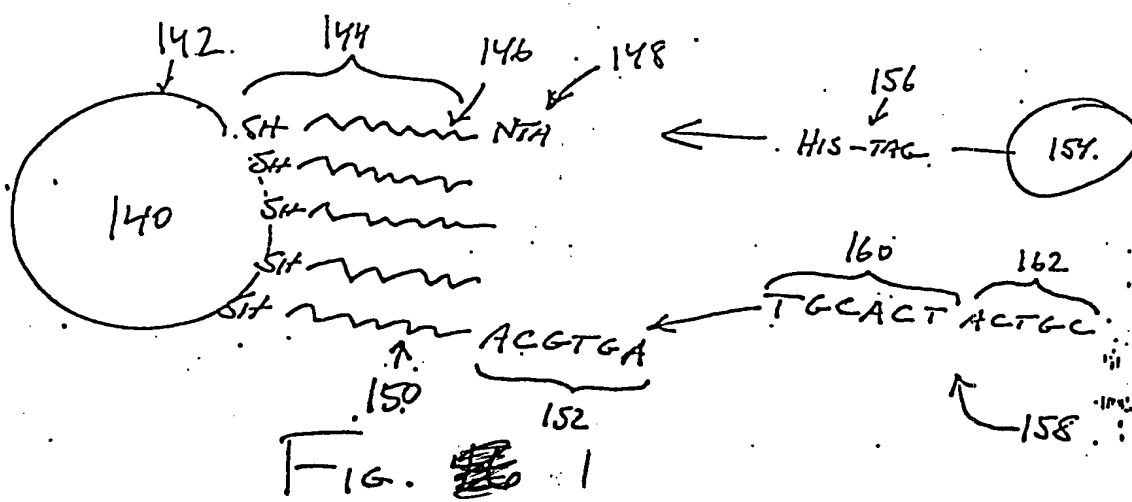
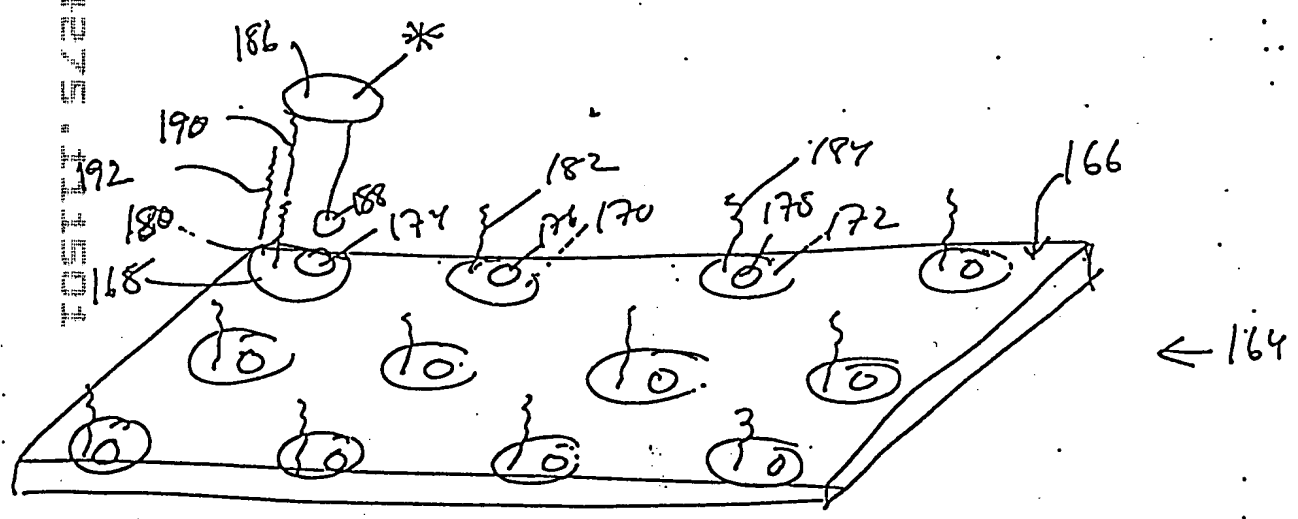


10004275 111504



10004275 11504



~~Fig. 47~~

Fig. 2

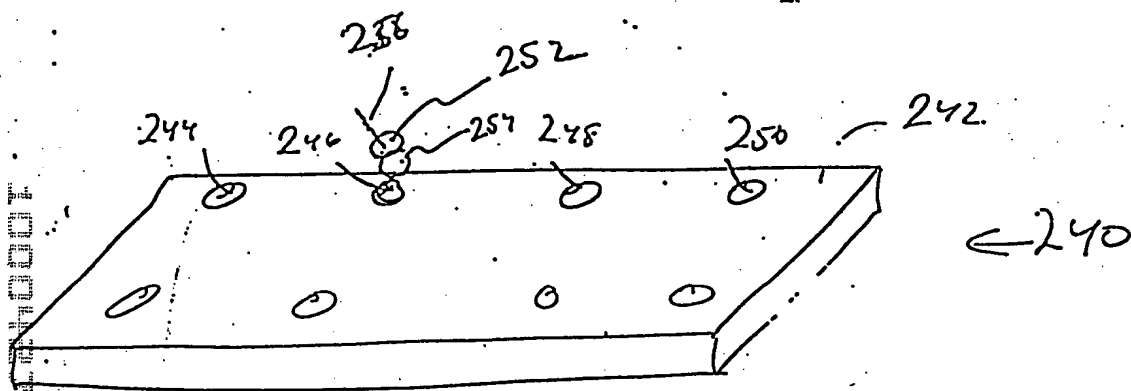


Fig 33

Fig. 3

Add Complementary DNA to "DNA priming region"  
+ sequence using standard PCR methods:

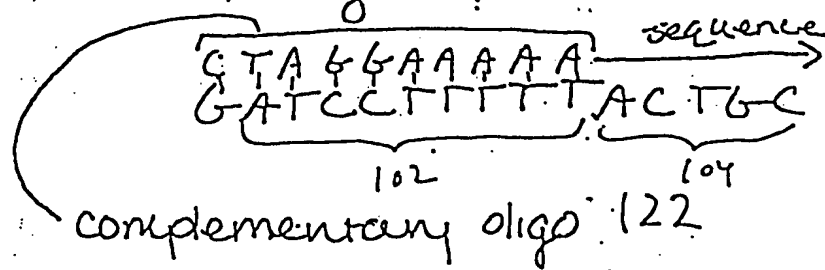
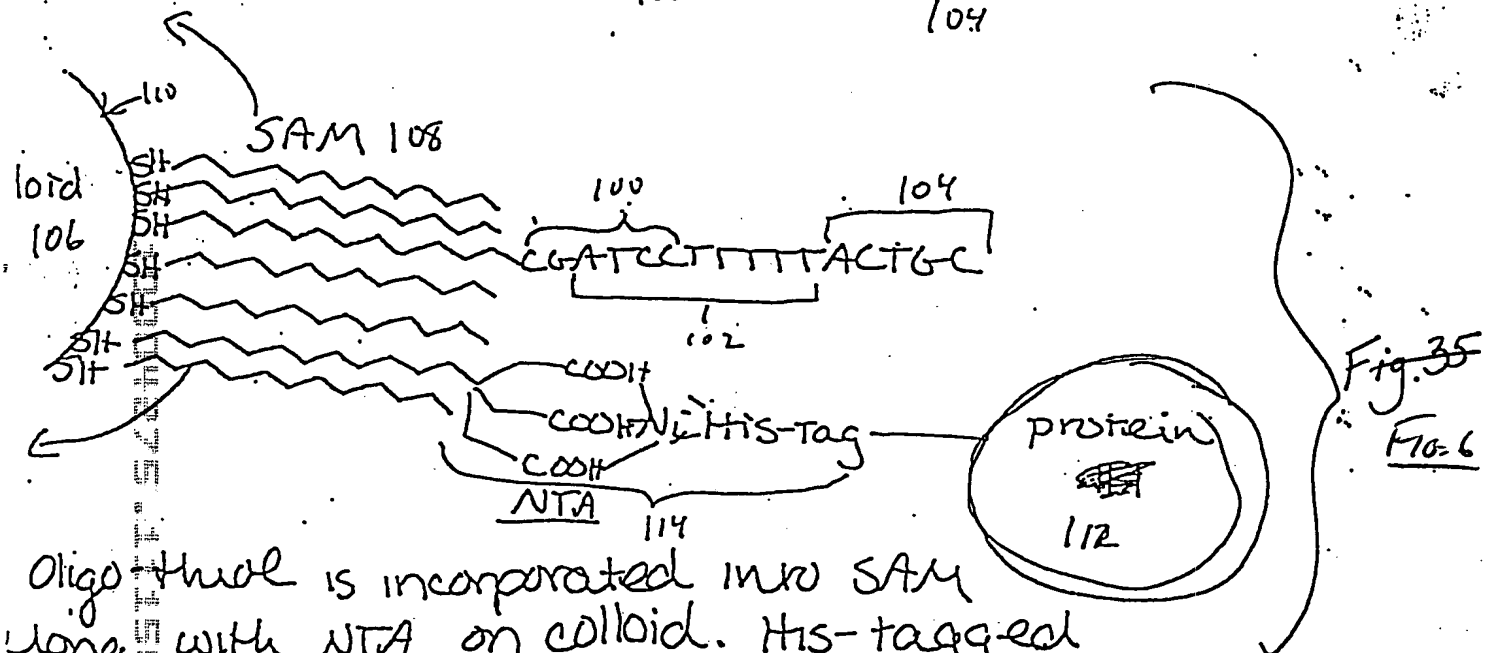
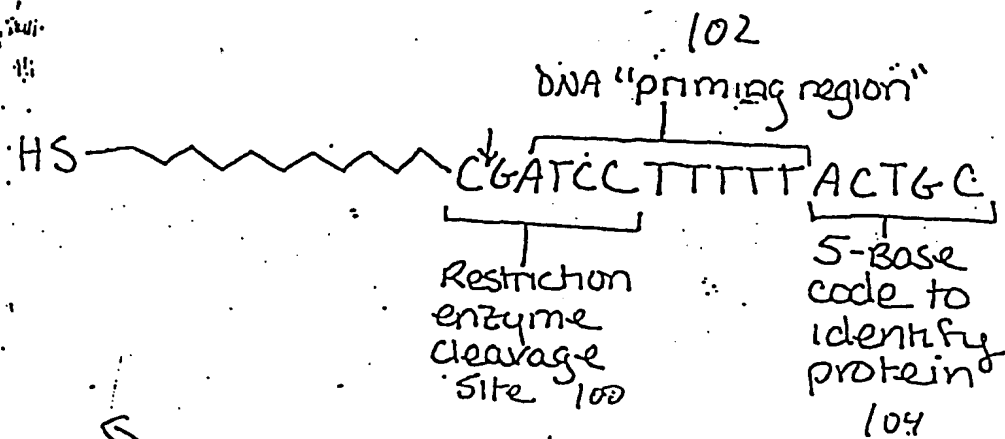


Fig. 38  
5

Match up resulting sequence data with  
records kept that connect protein  
identity to sequence:

ACTGC = protein # 120  
(species)  
104



Oligo thiol is incorporated into SAM along with NTA on colloid. His-tagged protein is attached to colloid via NTA-Ni.

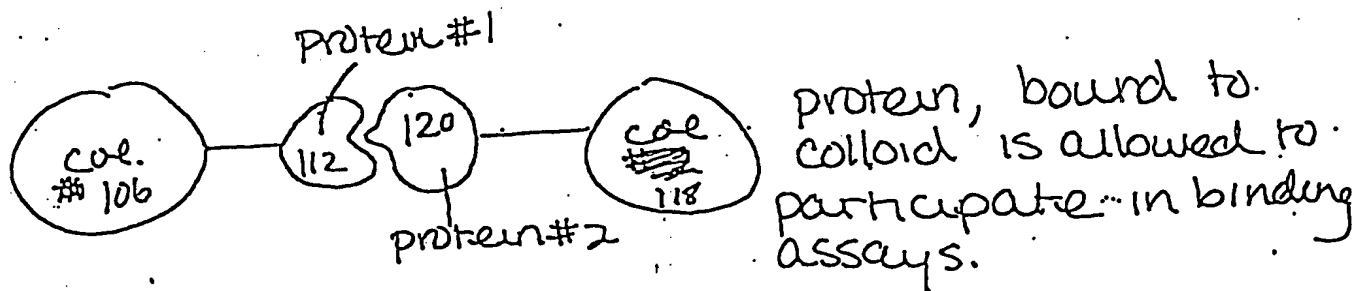
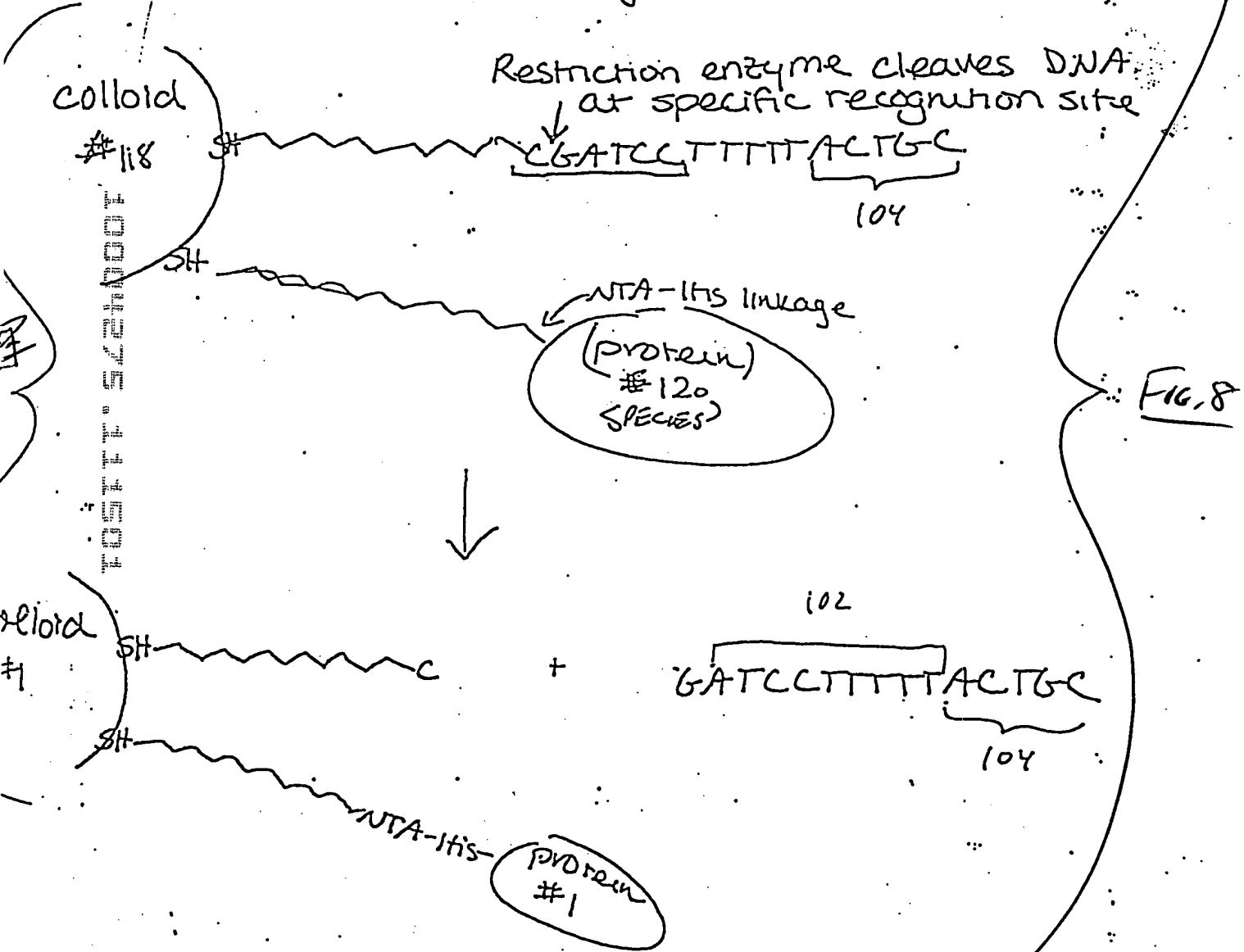
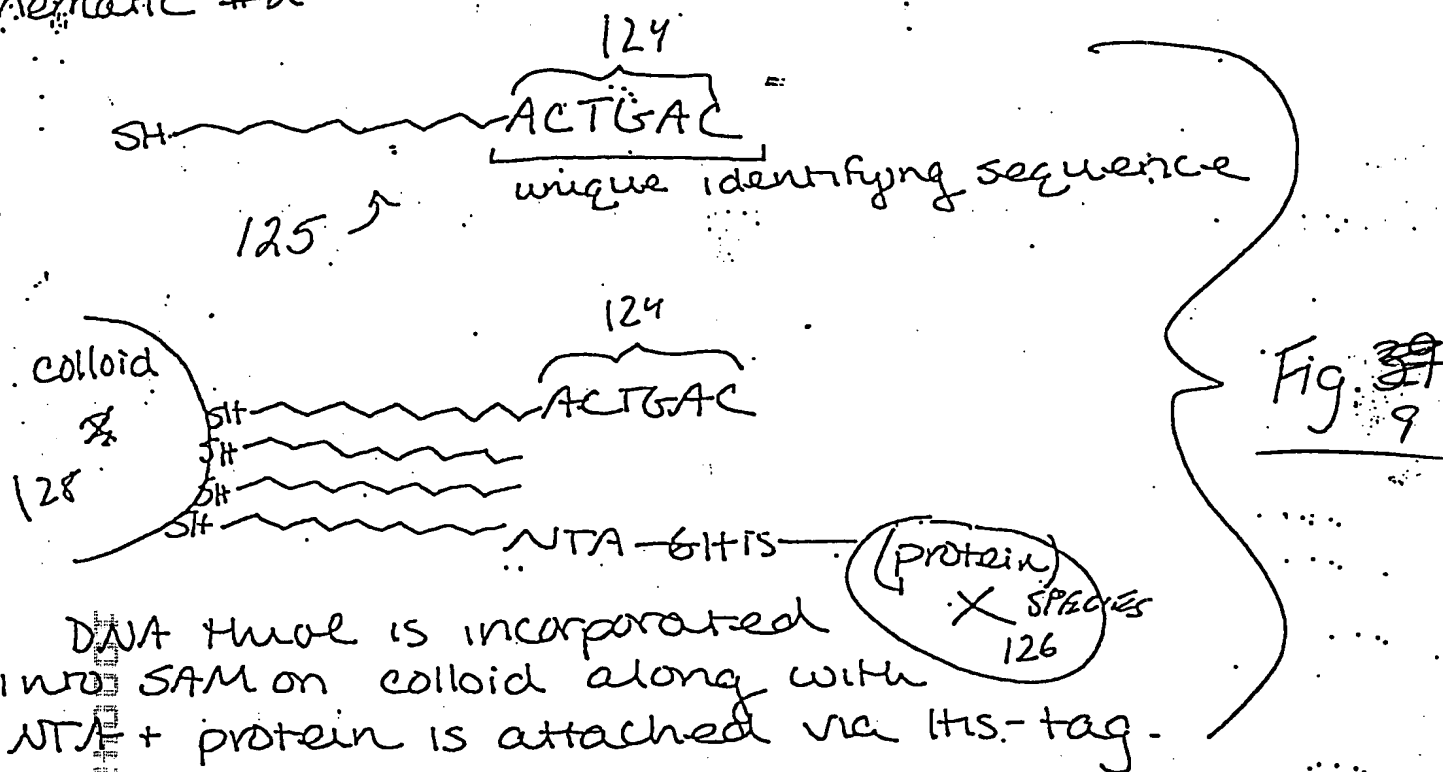


Fig. 36 7

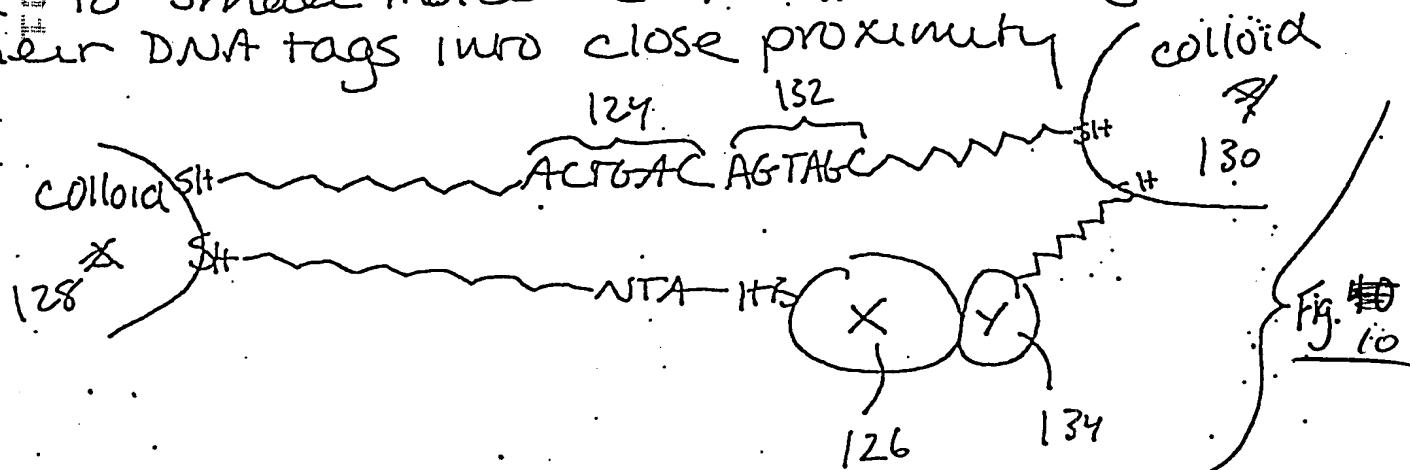
1. To uncover the identity of protein after the assays are completed, cleave the DNA portion of the DNA-thiol by addition of a restriction enzyme:



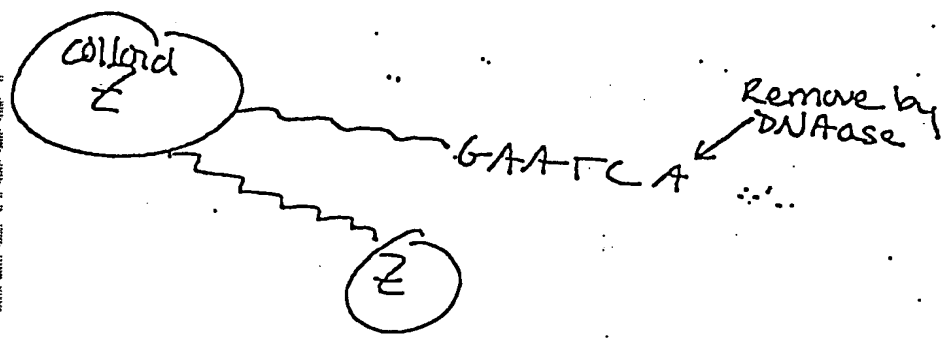
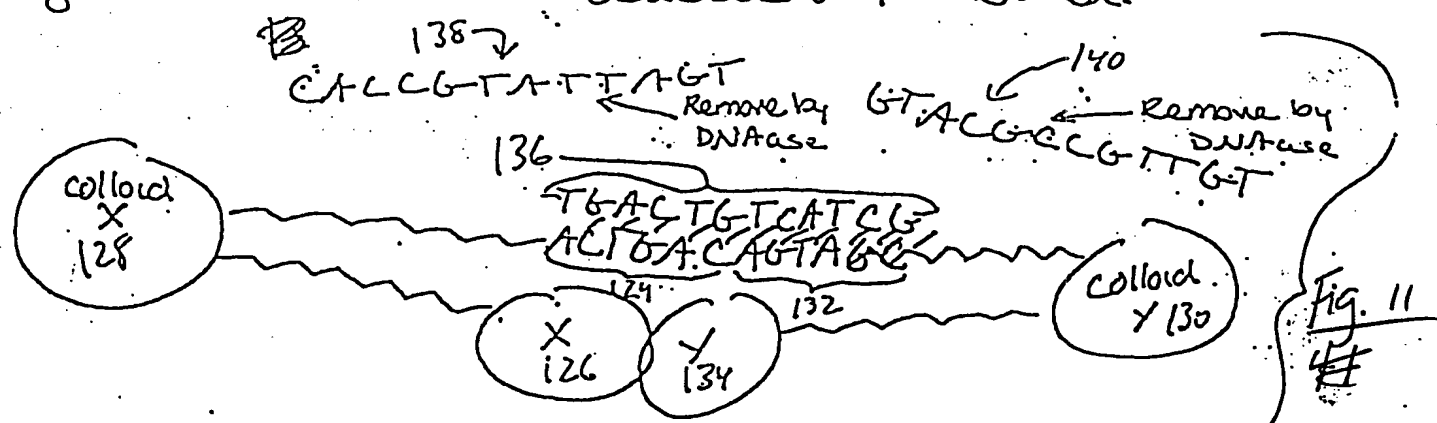
chematic #2:



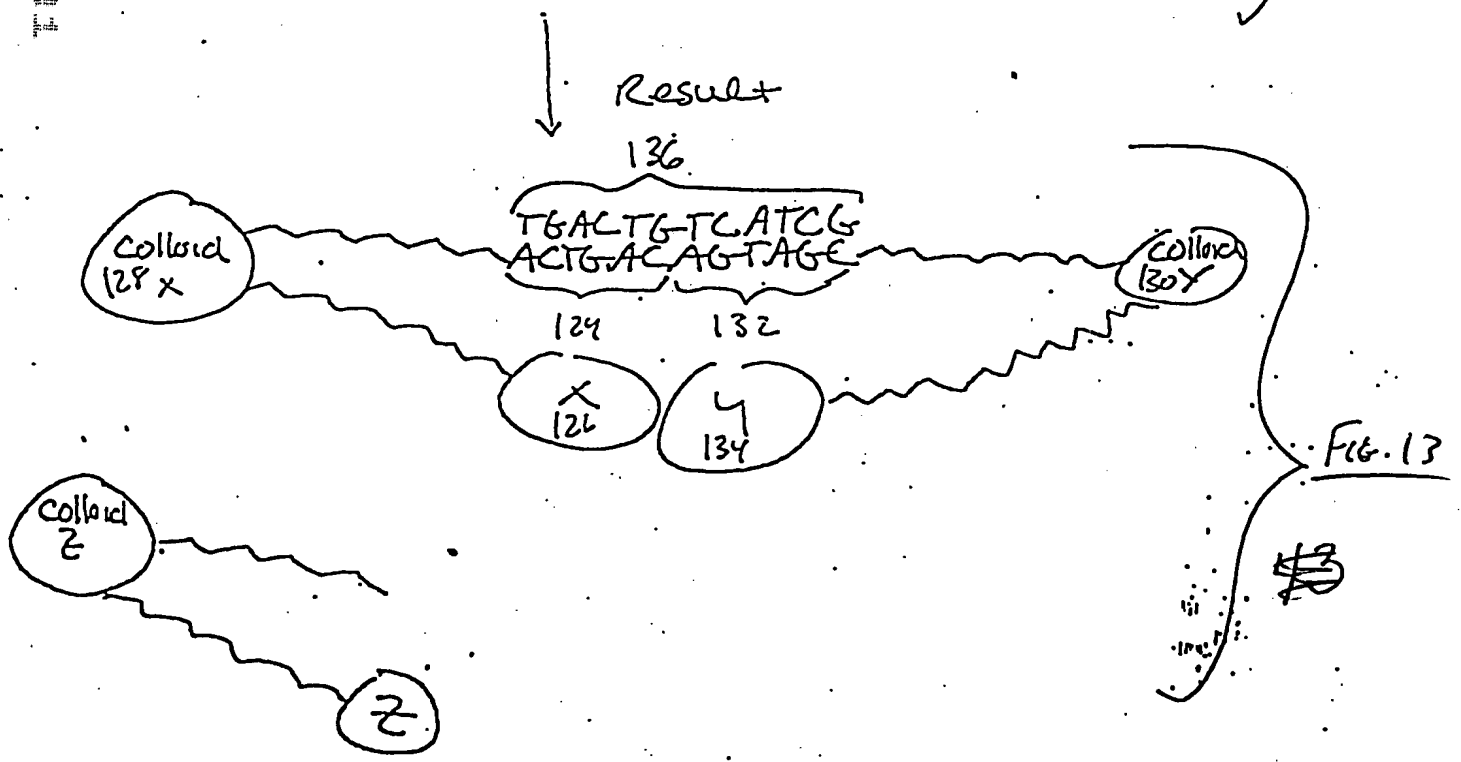
colloids bearing proteins or small molecules are allowed to interact. Binding of protein X to small molecule Y ~~allows~~ brings their DNA tags into close proximity



Complementary sequences to ~~fragment~~ DNA tags are added + allowed to bind.

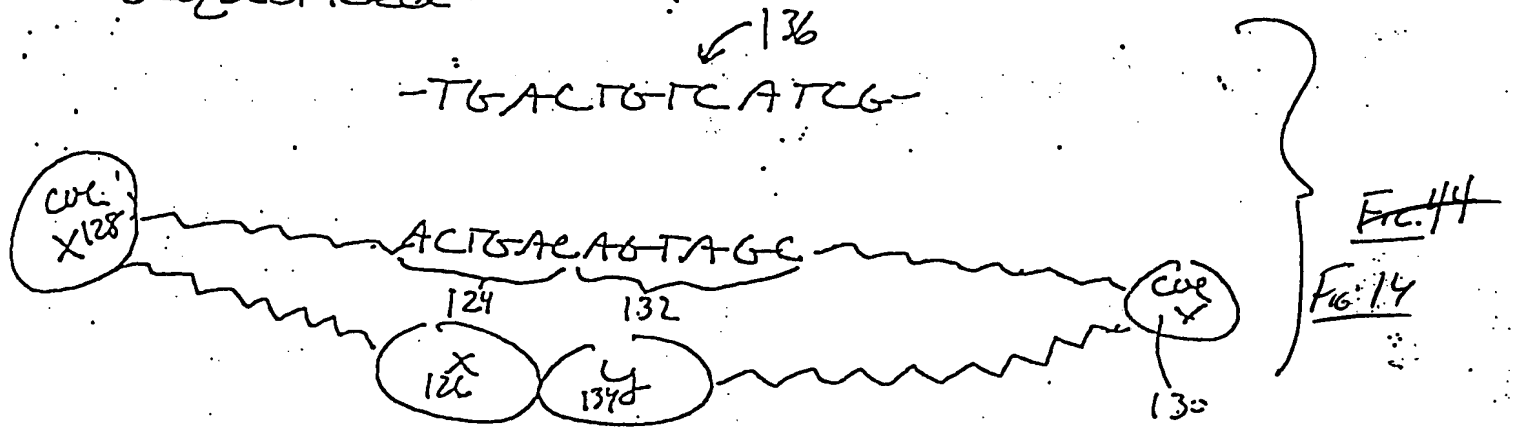


Single-stranded DNAase is added to remove (or "chew up" any ~~str~~ non-hybridized DNA.

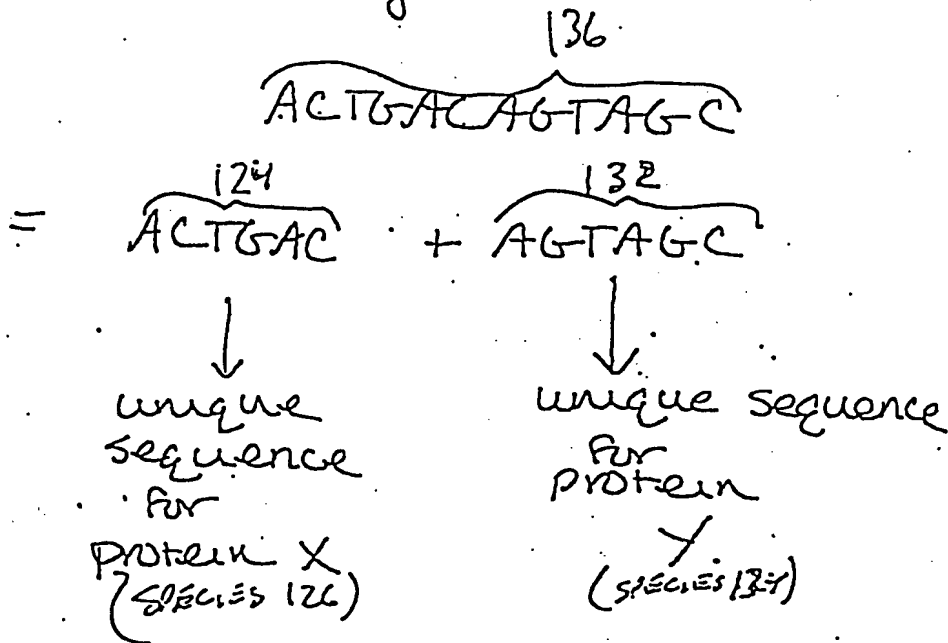




- i. Complementary DNA is denatured and sequenced.



- ii. Resulting sequence contains the unique DNA codes of the two binding partners, X + Y:



Protein X + Protein Y must be binding partners.

Tech: ACV  
File: negconbb.bin

Init E (V) = 0

Final E (V) = 0.8

Incr E (V) = 0.008

Amplitude (V) = 0.025

Frequency (Hz) = 10

Sample Period (s) = 1

Quiet Time (s) = 2

Sensitivity (A/V) = 1e-5

◆ negconbb.bin

— posconb.bin

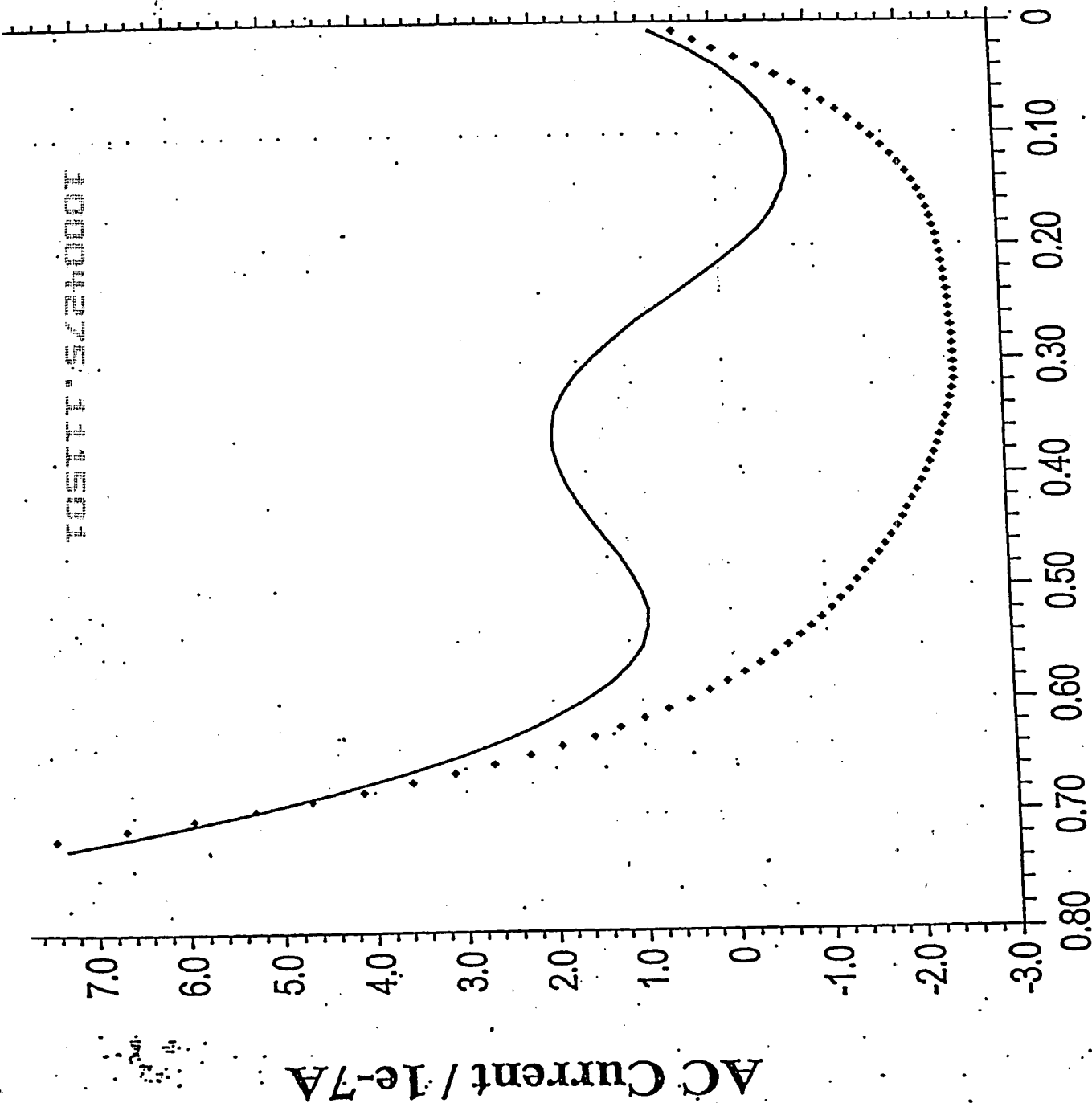


FIG. 16 Potential / V

lecn: AUV  
File: sb062\_007bb

Init E (V) = 0.1  
Final E (V) = 0.7  
Incr E (V) = 0.008  
Amplitude (V) = 0.025  
Frequency (Hz) = 10  
Sample Period (s) = 1  
Quiet Time (s) = 2  
Sensitivity (A/V) = 5e-4

— sb062\_007bb  
○ sb062\_012bb.bin

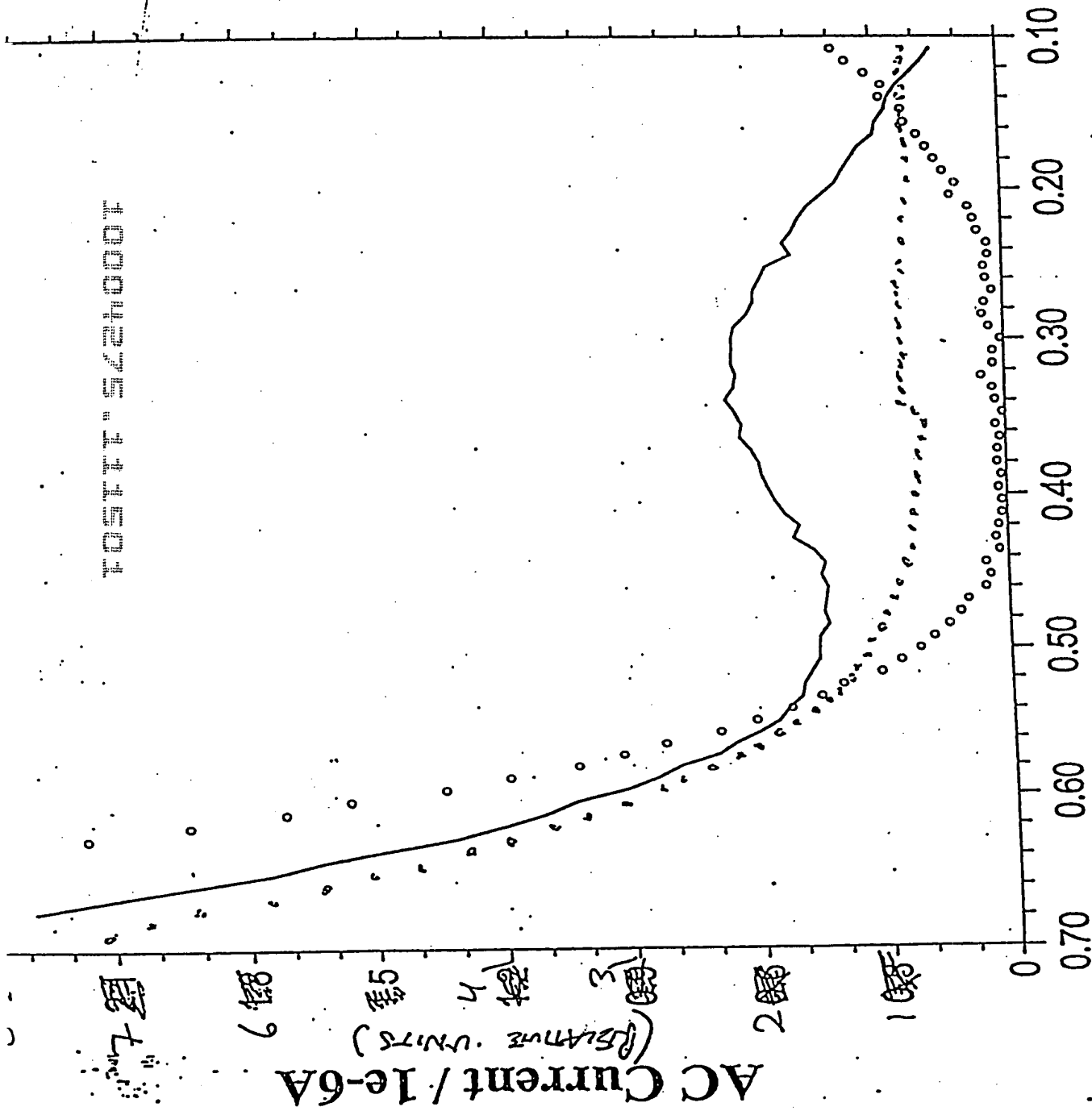


Fig. 12  
Potential / V  
~~Fig. 12~~  
~~Fig. 12~~

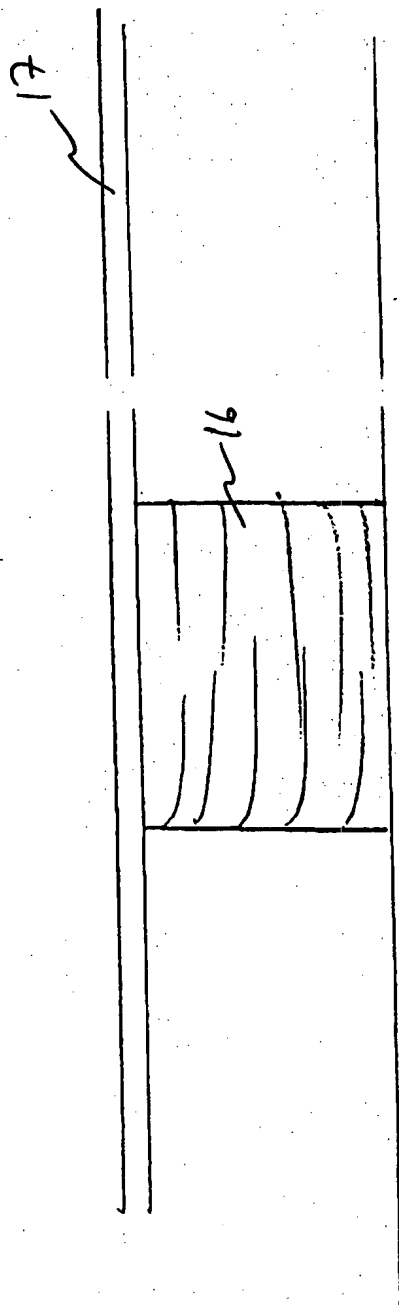
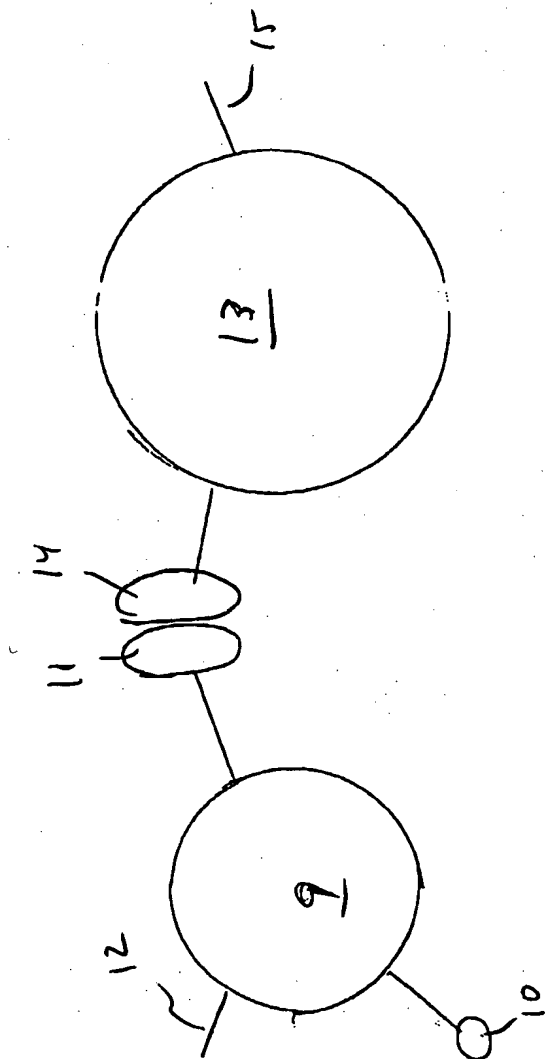
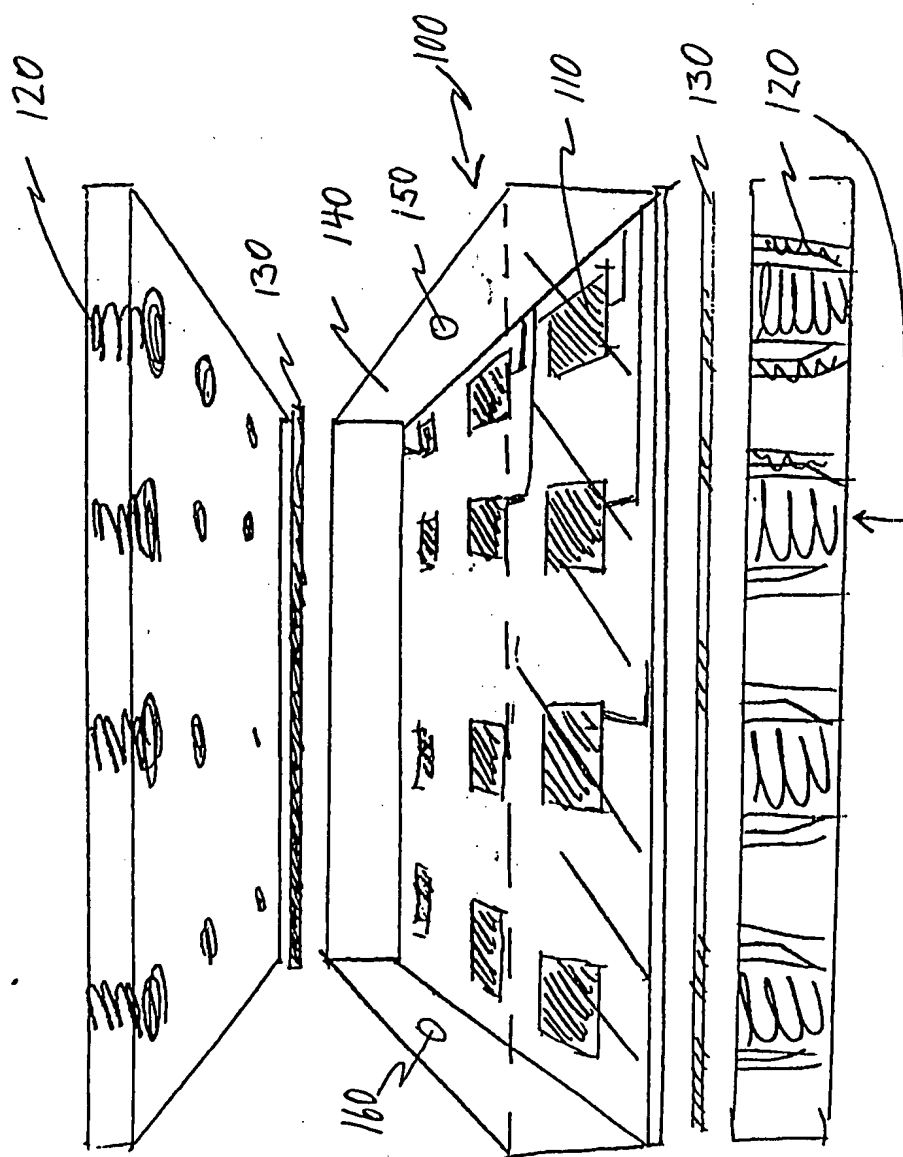


FIG. 18



~~Fig. 19~~

Fig. 19